

MULTIPLE SENSING SYSTEM AND DEVICE

ABSTRACT OF THE DISCLOSURE

The present invention provides a distributed sensing system in a networked environment for identifying an analyte, including a first sensor array connected to the
5 network comprising sensors capable of producing a first response in the presence of a chemical stimulus; a second sensor array connected to the network comprising sensors capable of producing a second response in the presence of a physical stimulus; and a computer comprising a resident algorithm. The algorithm indicates or selects the most relevant sensor in the network to identify the analyte. The sensors can be separated over
10 large spatial areas, wherein the sensor arrays are networked. Suitable networks include a computer local area network, an intranet or the Internet.

15

SF 1103947 v1